

DERWENT-ACC-NO: 1989-163508

DERWENT-WEEK: 198922

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TITLE: Modified polyolefin resin prepn. by graft
polymerising granular polyolefin, unsatd. carboxylic acid
and unsatd. silane cpd. in presence of radical initiator

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PATENT-ASSIGNEE: CHISSO CORP[CHCC]

PRIORITY-DATA: 1987JP-264966 (October 20, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
<u>JP 01108207 A</u>	April 25, 1989	JA

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 01108207A	N/A	1987JP-264966
October 20, 1987		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	C08F255/00	20060101
CIPS	C08F2/34	20060101

ABSTRACTED-PUB-NO: JP 01108207 A

BASIC-ABSTRACT:

Modified polyolefin resin is prepd. by graft copolymerising granular polyolefin, unsatd. carboxylic acid or its deriv. and unsatd. silane cpd. at a temp. lower than the m.pt. of the polyolefin in the presence of a radical initiator.

The polyolefin is, e.g., high pressure process polyethylene, low pressure process polyethylene, polypropylene, poly-1-butene homopolymer or

copolymer
with other alpha-olefin. It is pulverised into a particle size of 0.001-4mm.
The unsatd. carboxylic acid or its deriv. is e.g., (meth)acrylic, mono- or di-ethyl maleate, maleinamide, maleinimide, N-phenyl maleimide or maleic anhydride. It is used in an amt. of 0.1-50wt.% of the polyolefin.

USE/ADVANTAGE - The resin has high adhesion with steel, Al, glass, polyvinyl alcohol, nylon and saponified ethylene/vinyl acetate copolymer. The graft copolymerisation prevents the decompn. of polyolefin to overcome the poor moulding workability and the degradation in impact resistance.

TITLE-TERMS: MODIFIED POLYOLEFIN RESIN PREPARATION GRAFT POLYMERISE GRANULE

UNSATURATED CARBOXYLIC ACID SILANE COMPOUND PRESENCE

RADICAL

INITIATE

DERWENT-CLASS: A17

CPI-CODES: A04-A; A04-F01; A04-G01A; A10-C03;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0426U; 0476U ; 0610U ; 0899U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0003 0030 0031 0037 0038 0202 0205 0230 0235 0241 0242
0251 0258
0356 0412 0419 0503 0601 0789 1048 1055 1283 1384 1418 2007 2008 2023
2024 2027
2028 2066 2115 2121 2123 2325 2542 2597 2617 2651 2667 2726 2728 3252
3267
Multipunch Codes: 034 037 04& 041 046 047 05- 050 051 055 059 074 075
076 077
081 085 086 104 105 106 109 112 116 155 157 229 231 244 245 264 265
266 267 27-
28& 348 350 368 393 41- 443 47& 477 479 54& 541 551 556 57& 575 592
593 597 600
604 608 679 691 720 034 037 04& 041 046 047 05- 050 051 055 059 074
075 076 077
081 085 086 104 105 106 109 112 116 141 155 157 229 264 265 266 267
27- 28& 348
350 368 393 41- 443 47& 477 479 54& 541 551 556 57& 575 592 593 597
600 604 608
679 691 720 034 037 04& 041 046 047 05- 050 051 055 059 066 067 074

075 076 077
081 085 086 104 105 106 109 112 116 155 157 229 231 244 245 264 265
266 267 27&
27- 28& 348 350 368 393 41- 443 47& 477 479 54& 541 551 556 57& 575
592 593 597
600 604 608 679 691 720 722

SECONDARY-ACC-NO:

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